What is Claimed is
~~Patent Claims.~~

1. Process for simultaneously receiving different radio standards, thereby characterized,
   - that a superimposing of multiple various modulation types of the radio standard are carried out and,
   - that a separation of the same by a subsequent digital signal processing is carried out.

2. Process according to Claim 1, wherein ~~thereby characterized, that~~ the superimposing is carried out in two frequency ranges.

3. Process according to Claim 1, wherein ~~thereby characterized, that~~ a superimposing of high frequency signals is carried out prior to the first mixing step.

4. Process according to Claim 3, thereby characterized, that as local oscillators for the first mixing step the sum of the output of two narrow band oscillators is employed.

5. Process according to Claim 3, wherein ~~thereby characterized, that~~ for each modulation type one filter and amplifier is employed.

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6. Process according to Claim 3, wherein ~~thereby characterized, that~~ for all modulation types a special HF-filter with level accommodation and band selection is employed.

7. Process according to Claim 1, wherein ~~thereby characterized, that~~ a superimposing of a CDMA-encoded and a OFDM-encoded signal is carried out.

8. Process according to one of the preceding claims, Claim 1 ~~thereby characterized, that~~ prior to decorrelation or demodulation, an A/D conversion is carried out.